

Reclamation Bond Estimate  
 Jumbo-Jensen Quarry  
 M/041/008  
 by  
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<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>COST/ACRE</u>
<u>Mine Site</u>			
1. Backfill and Grade, D-9H	4 hrs	\$165.00/hr	\$ 660
2. Spread Stockpiled Soil & Rip, D-9H W/Ripper	2 hrs	165.00/hr	330
3. Seed and Fertilize			
Farm Tractor W/Disk	2 hrs	50.00/hr	100
Laborer	2 hrs	11.00/hr	22
Seed	20 lbs	4.22/lb	84
Fertilizer	200 lbs	.19/lb	38
4. Reseed if Necessary Assume 20% Area to be Reseeded			<u>49</u>
	Subtotal		\$1,332
	Ten Percent Contingency		<u>133</u>
	Total (1988 Dollars)		<u>\$1,465</u>
Total in 1993 dollars (2.3% inflation for 5 years)			\$1,641

<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>COST/ACRE</u>
<u>Roads</u>			
1. Spread Stockpiled Soil and Rip, D-9H W/Ripper	2 hrs	165.00/hr	330
2. Seed and Fertilize			
Farm Tractor W/Disk	2 hrs	50.00/hr	100
Laborer	2 hrs	11.00/hr	22
Seed	20 lbs	4.22/lb	84
Fertilizer	200 lbs	.25/lb	38
3. Reseed if Necessary Assume 20% of Area to be Reseeded			<u>49</u>
	Subtotal		\$ 623
	Ten Percent Contingency		<u>62</u>
	Total (1988 Dollars)		<u>\$ 685</u>
Total in 1993 Dollars (2.3% inflation for 5 years)			\$ 767

Total Reclamation Cost

Mining Areas: 111.4 acres x \$1,641/acre = \$182,800

Roads: 44.2 acres x \$ 767/acre = \$ 33,900

Total in 1993 Dollars \$216,700

0783Q-101

MINE AND RECLAMATION PLAN SUMMARY  
UNITED STATES GYPSUM CORPORATION  
M/041/008, JUMBO-JENSEN QUARRY

During Operations

Haul roads will be constructed to the deposit, and the gypsum will be quarried in 20-foot benches. Gypsum rock will be loaded on trucks and hauled seven miles to the plant for processing. Available topsoil and overburden will be stockpiled for future reclamation.

Following Operations

Reclamation of mined-out areas will be performed at a rate of approximately ten acres per year for the next ten years. Reclamation of the quarries is to consist of regrading of the waste material into the quarry area, placement of soil material, ripping with a dozer, and reseeding with native vegetative species. Haul roads which do not have a postmining use will be ripped and seeded, and water drains will be installed as necessary.